

Early Education As Art:



Dr. Mark Bailey
Pacific University



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Early Education As Art:

Engaging children, Inspiring learning,
Transforming teaching



Dr. Mark Bailey
Pacific University



Who Am I



Mark Bailey

- Teacher for 37 years
- Early Childhood Educator
- Teacher Educator
- Director: CLDC
- Director: School of L&T



Pacific University College of Education
School of Learning and Teaching



Early Learning Community



ECE Teaching & Learning Environment
Pacific University, Forest Grove, Oregon
<http://www.pacificu.edu/early-learning-community>



Overview

- Children & Learning
- Engaging Environments
- Inspirational Pedagogy
- Transformations
- Case Study
- Challenges to ECE
- Investing in Early Education



Young Children and Learning

Young Children construct understanding **through**:

- Authentic, active, meaningful, hands-on experiences
- Extended explorations
- Community collaborations
- Playful activities



Engaging Environments

Young children learn best **where**:

- Feel good about themselves
- Actively explore the world
- Materials match interests & needs
- Natural & prepared environments
- Can problem-solve with peers



Engaging Environments

- Classrooms
- Shared spaces
- Natural areas
- Student-centered
- Multidimensional



Inspiring Learning

Teachers support learning **by:**

- Best pedagogical practices
- Thoughtful intentionality
- Student-centered activities
- Inspiring a sense of wonder and desire to learn



Inspiring Learning: Best Practices

Key Concepts:

- Learning takes time
- Motivation is internal
- Student-centered big ideas
- Diversity of personality and process is respected





“Teaching is an art in the sense that teachers, like painters, composers, ... make judgments based largely on qualities that unfold during the course of action”

Elliot Eisner

Transforming Through:

Reconceptualizing Teaching & Assessments



<http://fg.ed.pacificu.edu/cldc/devrec14.pdf>

Transforming Through:

Community



Transforming Through:

Manipulative Materials



Transforming Through:

Technological Tools



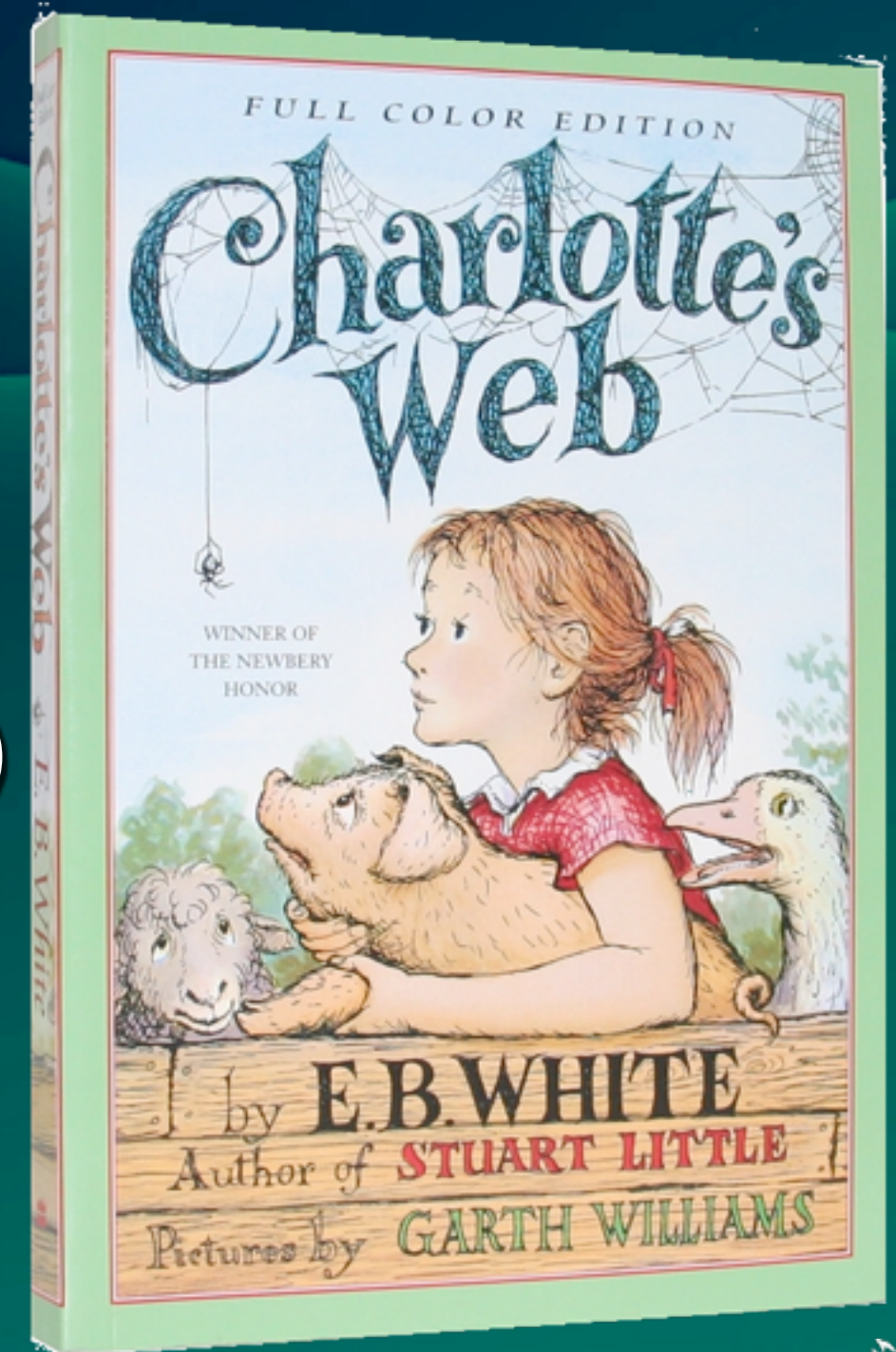
What is Technology

Tools to empower, enhance, & transform learning



Imagine A Learning Tool...

- portable device
- single user (most frequently)
- user generally uncommunicative
- steep learning curve (years to mastery)
- not upgradable
- can precipitate deep change in user



It's not the technology,
it's how you use it.

NAEYC/FRC Technology Position Statement



Technology and Digital Media in the Early Years

Tools for Teaching and Learning

Edited by Chip Donohue

POSITION STATEMENT
ADOPTED JANUARY 2012

A joint position statement of the National Association for the Education of Young Children and the Fred Rogers Center for Early Learning and Children's Media at Saint Vincent College

Technology and Interactive Media as Tools in Early Childhood Programs Serving Children from Birth through Age 8

Television was once the newest technology in our homes, and then came videos and computers. Today's children are growing up in a rapidly changing digital age that is far different from that of their parents and grandparents. A variety of technologies are all around us in our homes, offices, and schools. When used wisely, technology and media can support learning and relationships. Enjoyable and engaging shared experiences that optimize the potential for children's learning and development can support children's relationships both with adults and their peers.

Thanks to a rich body of research, we know much about how young children grow, learn, play, and develop. There has never been a more important time to apply principles of development and learning when considering the use of cutting-edge technologies and new

media. When the integration of technology and interactive media in early childhood programs is built upon solid developmental foundations, and early childhood professionals are aware of both the challenges and the opportunities, educators are positioned to improve program quality by intentionally leveraging the potential of technology and media for the benefit of every child.

Interactive media refers to digital and analog materials, including software programs, applications (apps), broadcast and streaming media, some children's television programming, e-books, the Internet, and other forms of content designed to facilitate active and creative use by young children and to encourage social engagement with other children and adults.

This statement is intended primarily to provide guidance to those working in early childhood education programs serving children from birth through age 8. Although not developed as a guide for families in the selection and use of technology and interactive media in their homes, the information here may be helpful to inform such decisions.

NAEYC and the Fred Rogers Center do not endorse or recommend software, hardware, curricula, or other materials.

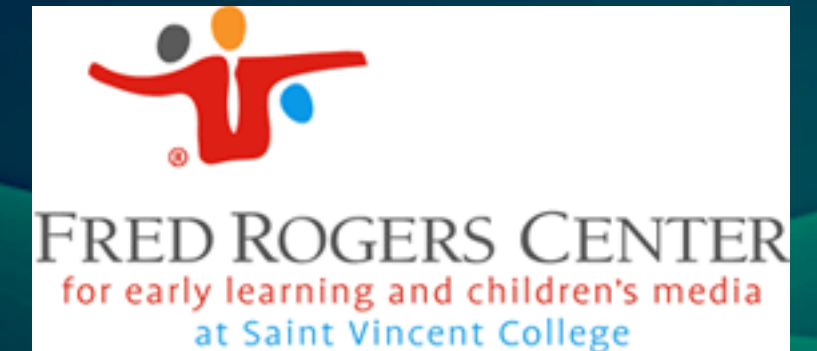


Using Technologies with Children

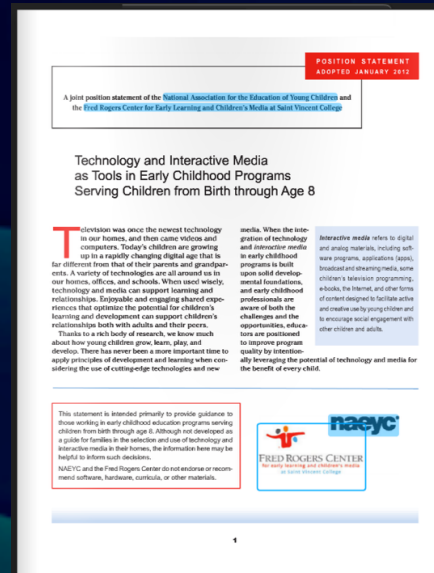
A Framework for Quality:

Digital media should take into account:

- Child
- Content
- Context



Technology and Interactive Media as Tools in Early Childhood Programs Serving Children from Birth through Age 8



- # Supports:
- child initiated,
 - child directed,
 - teacher supported,
 - play with digital devices



Exploring Digital Tools

- Microscopes
- Tablet Computers
- Cameras



Exploring Digital Tools: Microscopes

Microscopes:

Empowering New Perspectives

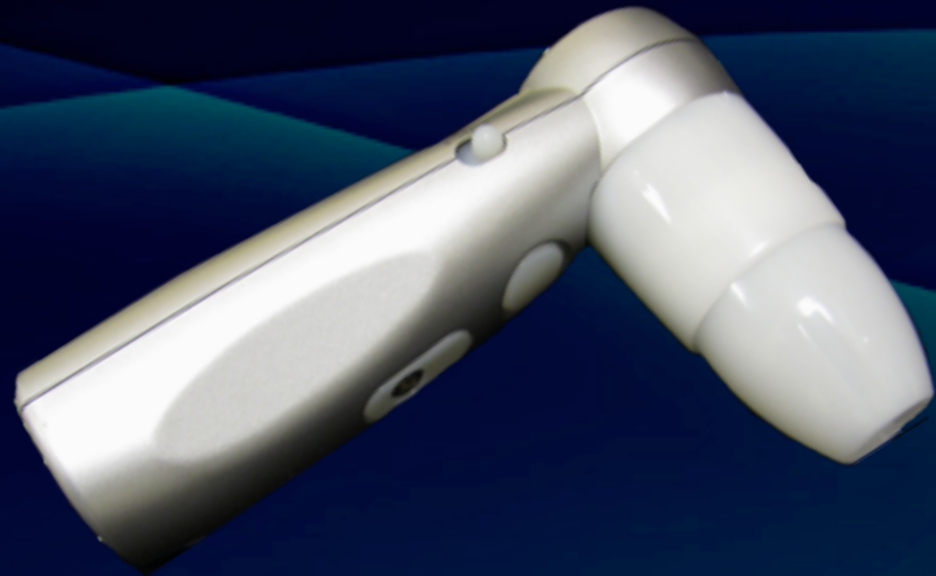


Exploring Digital Tools: Microscopes

Exploring
Deeply



Exploring Digital Tools: Microscopes



- Wired, wireless, or affixed
- Computer screen
- Meaningful connections
- Intentional provocation
- Relevant realia



Exploring Digital Tools: Microscopes



Bringing yourself up close

Exploring Digital Tools: Microscopes



Bringing the world up close

Exploring Digital Tools: Microscopes



Exploring Digital Tools: Microscopes



Exploring Digital Tools: Microscopes



Exploring Digital Tools: Microscopes



Exploring Digital Tools: Microscopes



Outdoor
Use



Exploring Digital Tools: Microscopes

Provocation:

In what ways does the surface of a leaf, look the same and different from the surface of your skin?



Exploring Digital Tools: Microscopes

Microscopes: Quintessential ECE Tool

- Effective in supporting wondering
- Extend authentic learning
- Empower exploration
- Multiple platforms
- Inherently motivating
- Not inexpensive



Exploring Digital Tools: Tablets

Handheld Computing: *Child-Friendly Format*

Multiple platforms: tablets, pods & phones



Exploring Digital Tools: Tablets

Tablets: *The Children's Machine*



Exploring Digital Tools: Tablets

Tablets and Literacy



Exploring Digital Tools: Tablets

Reconceptualizing Books



Aunt Annie's alligator

A .. a .. A

- ABC Book
- Hop on Pop
- The Monster at the End of the Book
- Cinderella
- Numberlys
- Just Grandma & Me
- and many more

Exploring Digital Tools: Tablets Reconceptualizing Books



Walking slowly inside he discovered the most mysterious and inviting room he had ever seen. It was filled with the fluttering of countless pages, and Morris thought he could hear the faint chatter of a thousand different stories, as if each book was whispering an invitation to adventure.



The Fantastic Flying Books of Mr Morris Lessmore

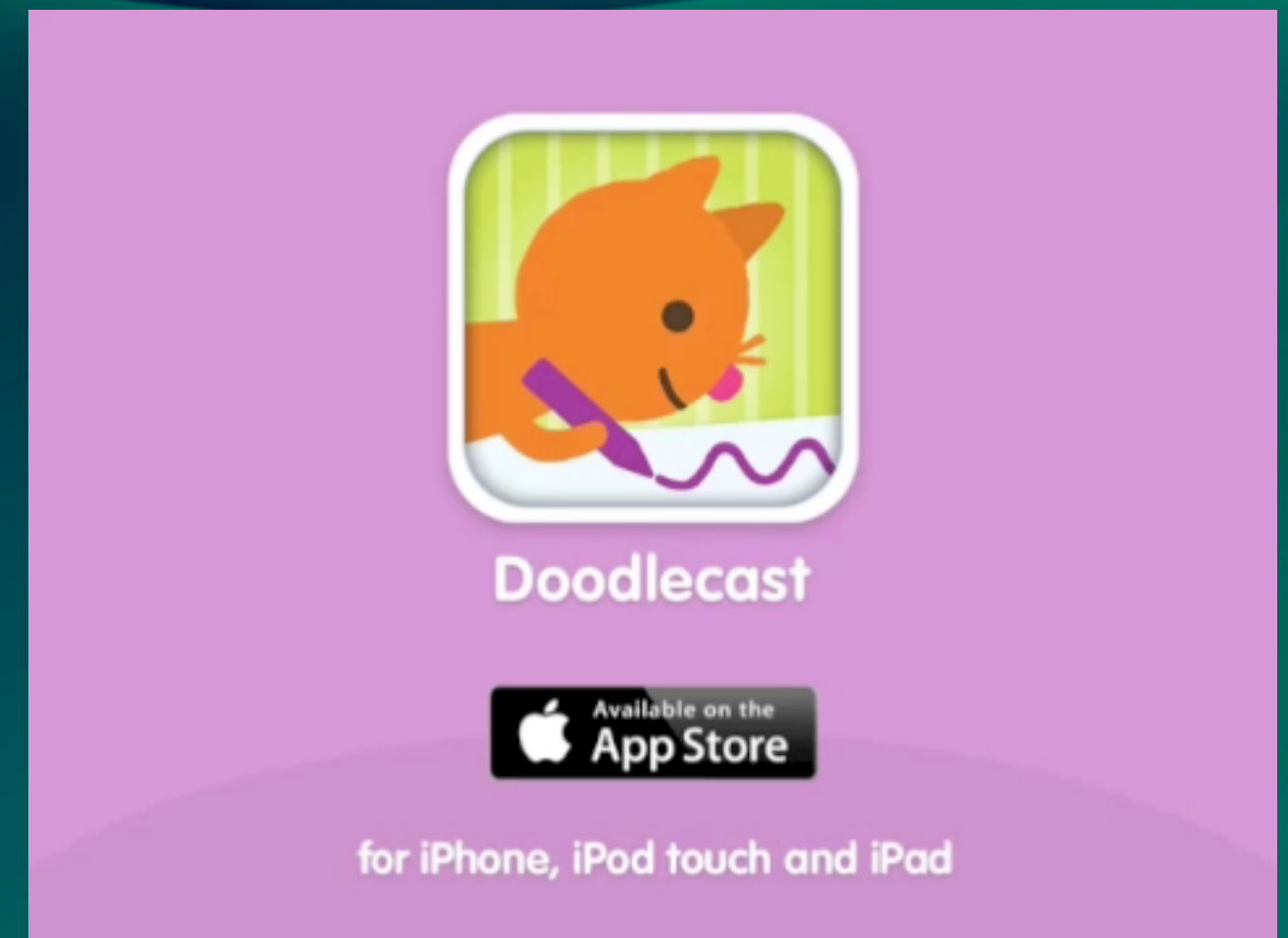
Interactive Animated Hyperbooks

Exploring Digital Tools: Tablets

Book Creator



Doodlecast



Exploring Digital Tools: Tablets

School and Sister and Me



Storykit

Autism Reading:

- Photos
 - Drawing
 - Audio
 - Text
 - Web shareable
- “A long time ago my sister and me went to the ELC and it’s the one we’re in right now and when she came out a lot of times she would pick me up and we would talk together.”



Exploring Digital Tools: Tablets

Tapikeo HD

Augmentative Alternative Communication



- Storyboards, Pictureboards
- Flashcards
- Match pictures to words or sounds



Exploring Digital Tools: Tablets

Myriad Apps for Exploration



Exploring Digital Tools: Tablets

Handheld Computing:

- Extremely versatile tool
- Incredible variety of software
- Literacy, numeracy, science, creativity, photography...
- Software ranges from awful to excellent



Exploring Digital Tools: Digital Cameras

Digital Cameras:
*Documenting, creating,
and demonstrating learning*



Exploring Digital Tools: Digital Cameras



Exploring Digital Tools: Digital Cameras



Exploring Digital Tools: Digital Cameras Video



Exploring Digital Tools: Digital Cameras Supporting Literacy

Storyography:
*Empowering children's voices
through multimedia storymaking*



Exploring Digital Tools: Digital Cameras Supporting Literacy

Storyography

- Storymaking emerges from imaginative play
- Student directed & documented narrative
- Supported by intentional teacher

Requires

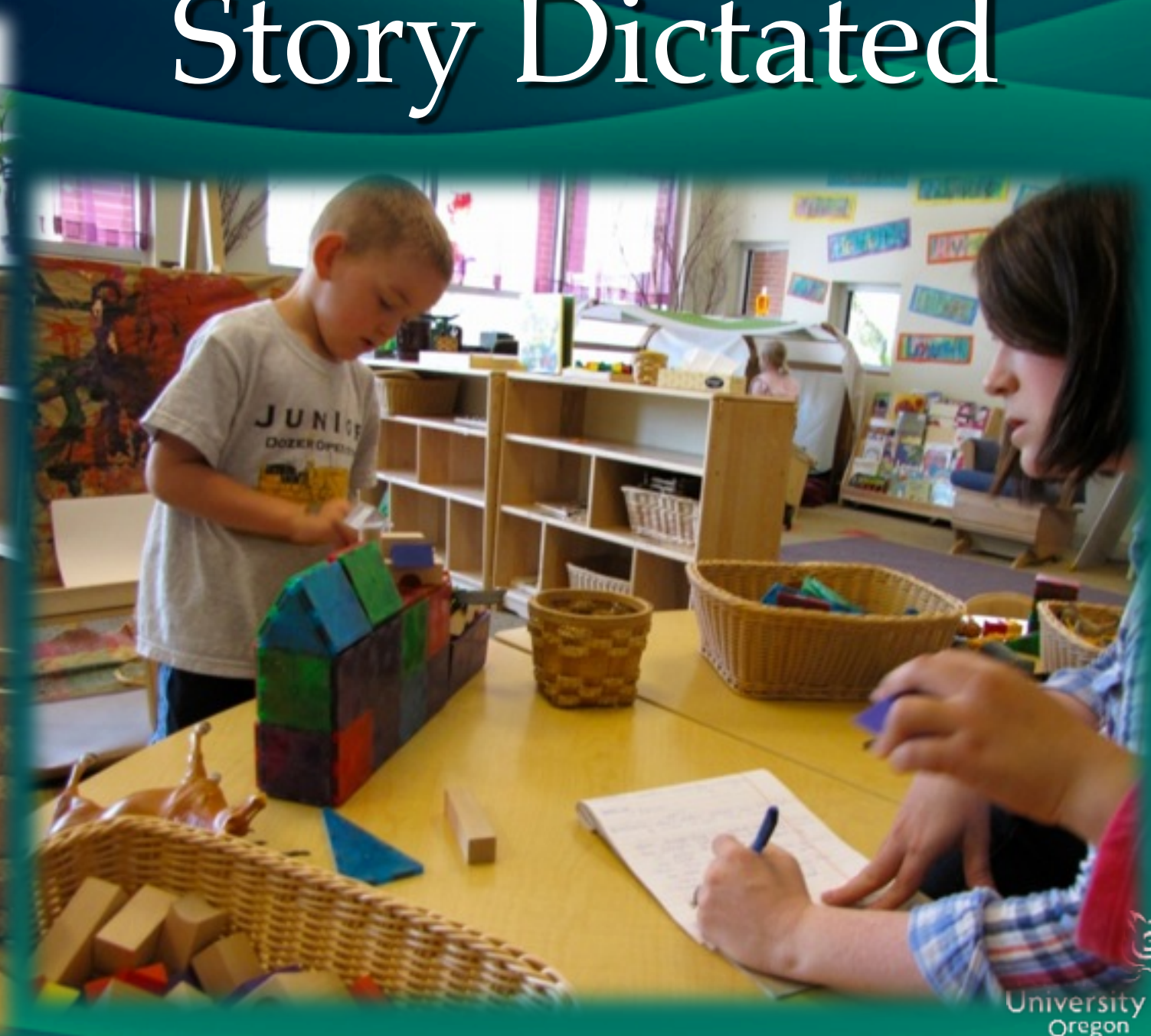
- Close teacher scaffolding
- Bookbinding materials
- Digital camera, computer, printer



Exploring Digital Tools: Digital Cameras Supporting Literacy

Student Creates

Story Dictated



Exploring Digital Tools: Digital Cameras Supporting Literacy

Photographing
Each Image



Exploring Digital Tools: Digital Cameras Supporting Literacy

The dragonfly is guarding the house.



He doesn't want anybody to come because the baby horse is eating his food.



Exploring Digital Tools: Digital Cameras Supporting Literacy

Digital Camera Use

- Student-initiated and directed
- Extends experiences
- Sharing & revisiting
- Not necessarily expensive



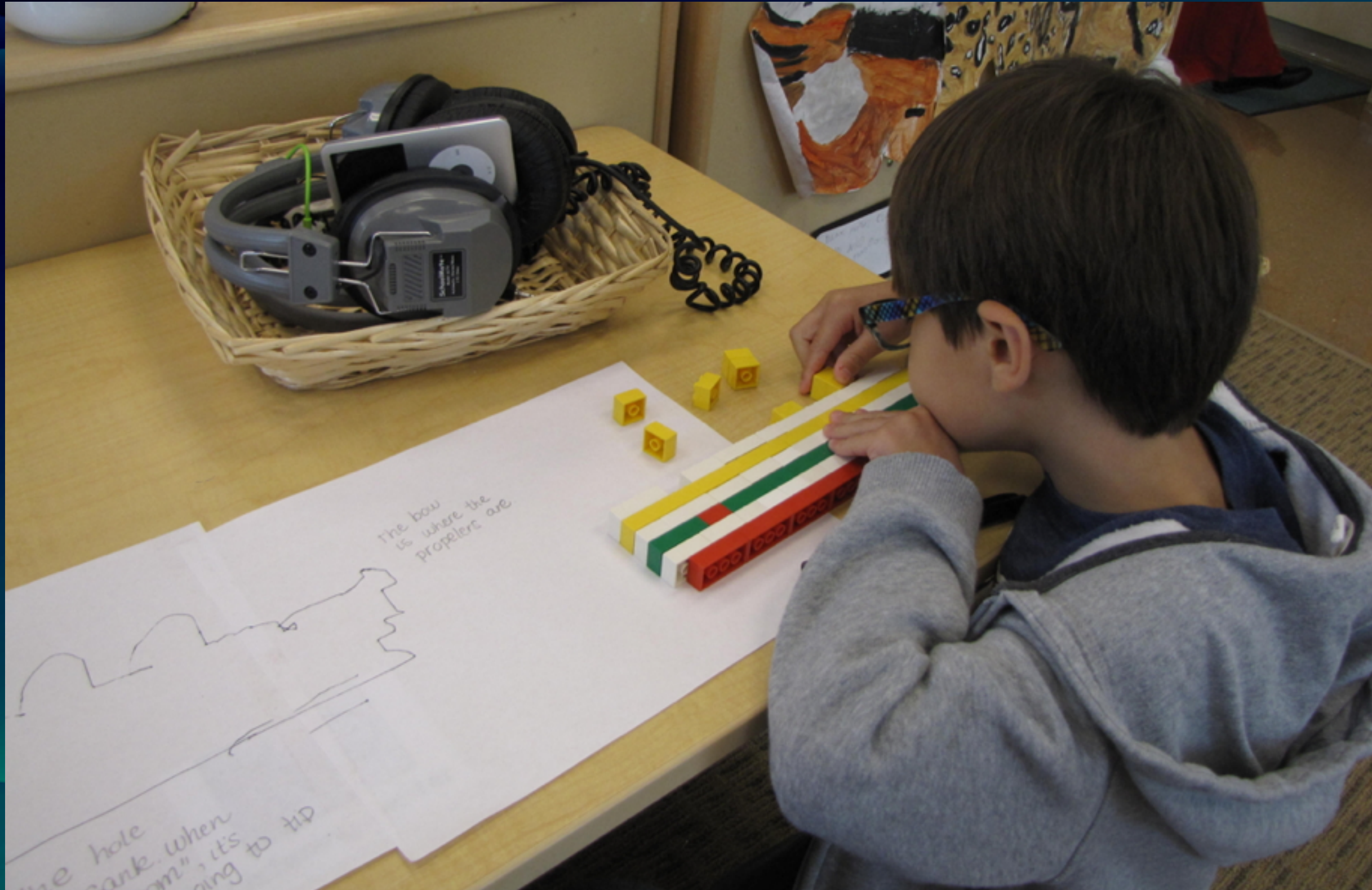
Listen, Go Deep, Empower: Case Study



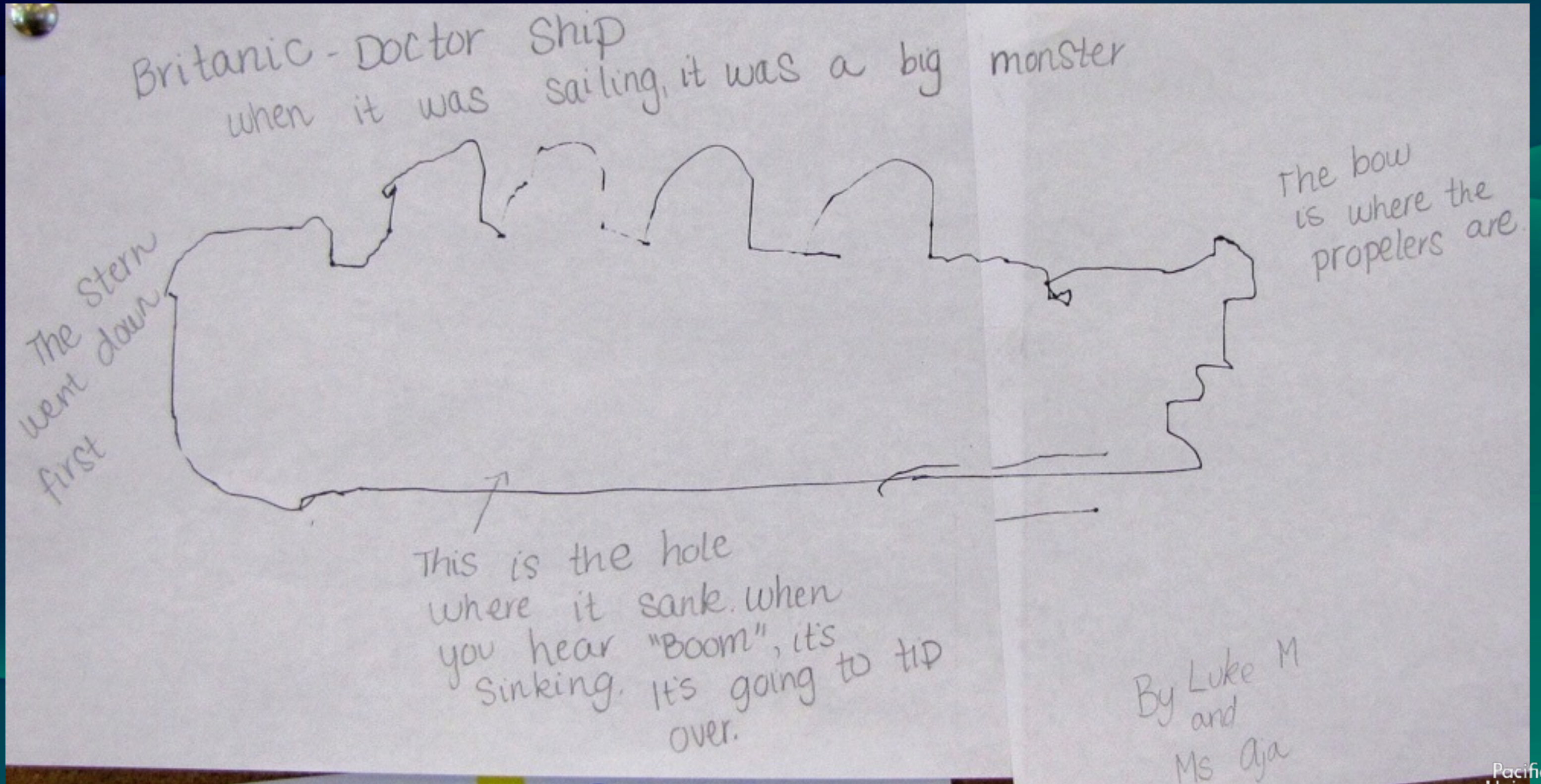
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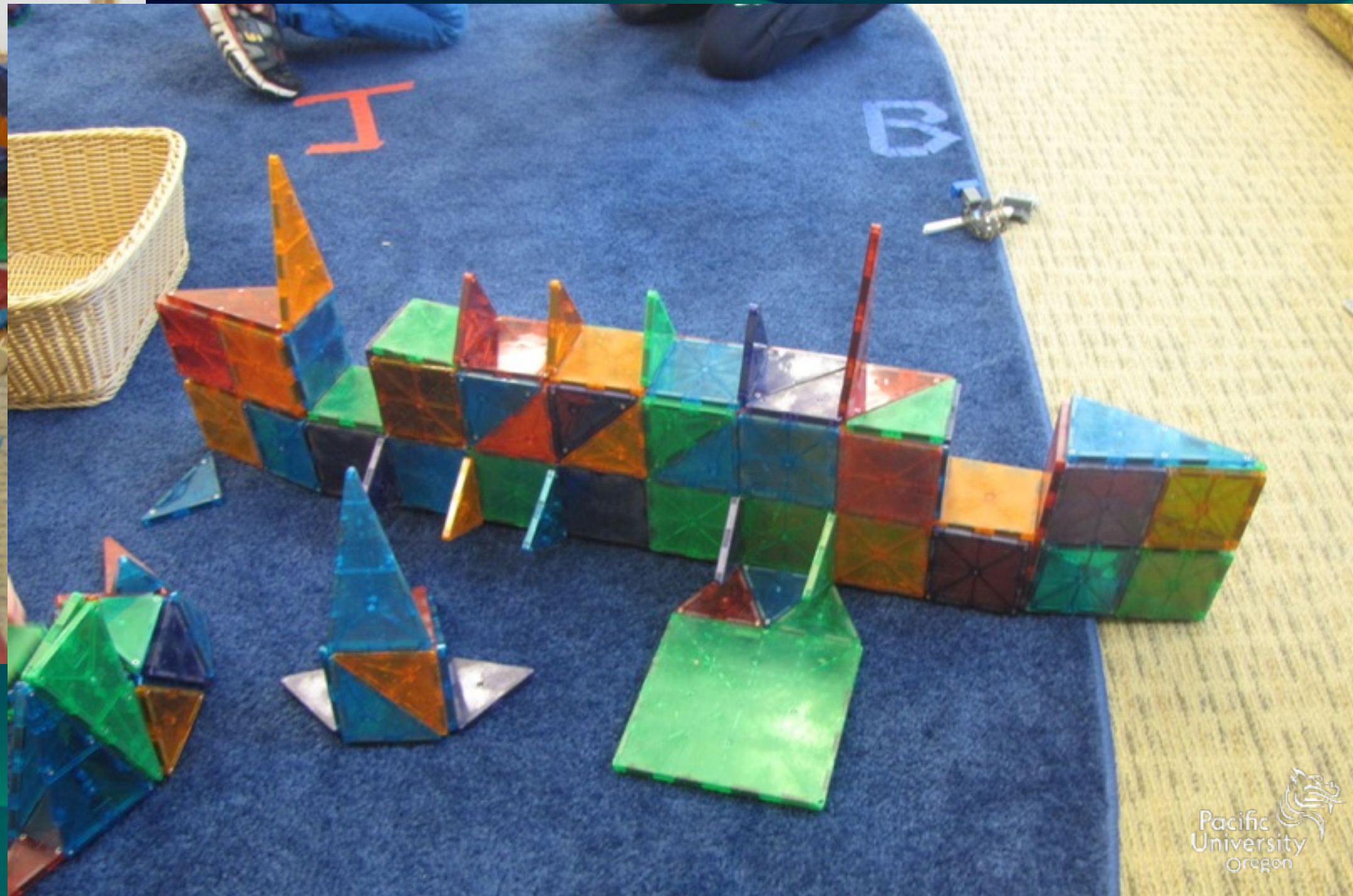
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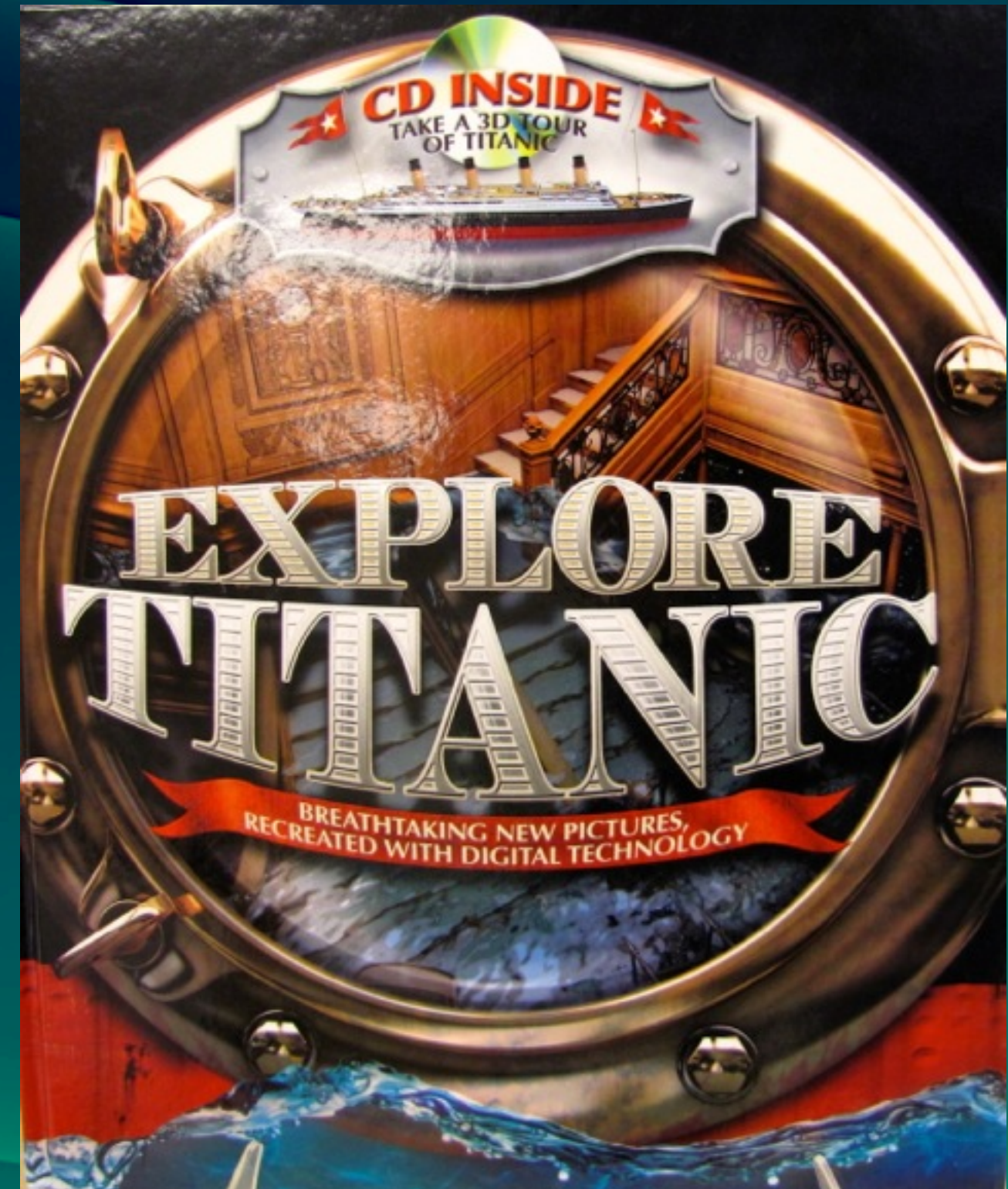


How to
Support?

Listen, Go Deep, Empower: Case Study



\$25



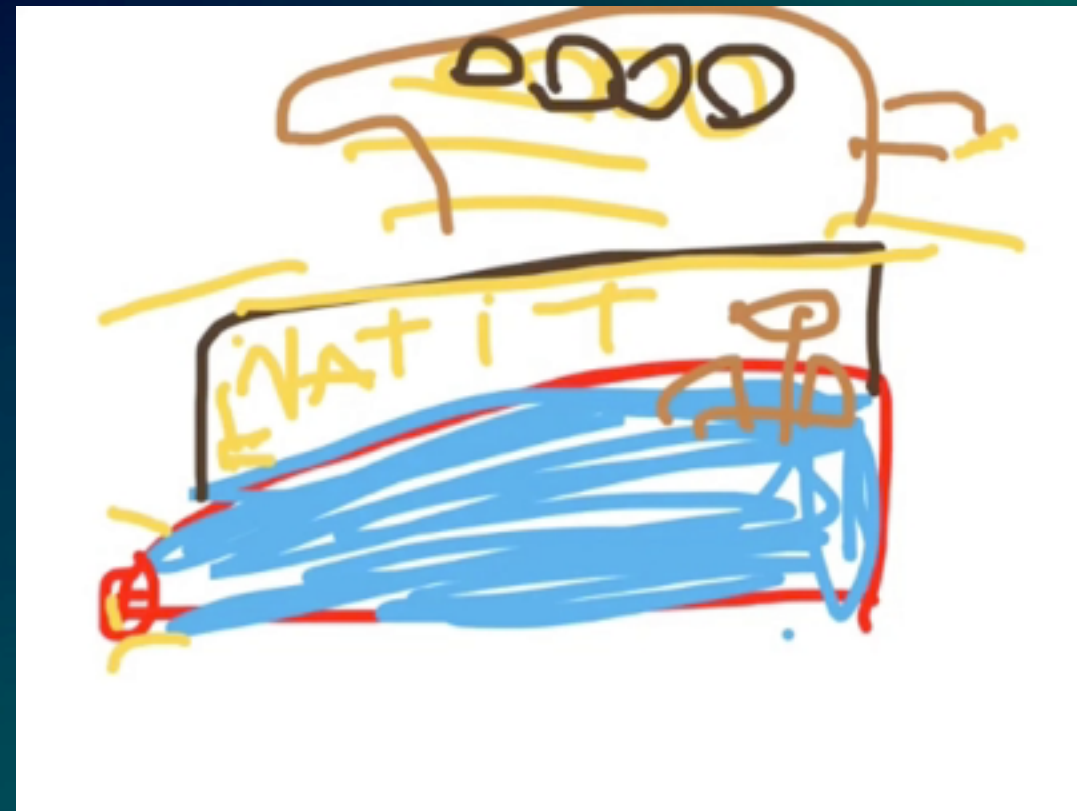
Listen, Go Deep, Empower: Case Study



Listen, Go Deep, Empower: Case Study



Listen, Go Deep, Empower: Case Study



Doodlecast



Book Creator

Listen, Go Deep, Empower: Case Study



“gears that will pump water out of the hull”

Listen, Go Deep, Empower: Case Study

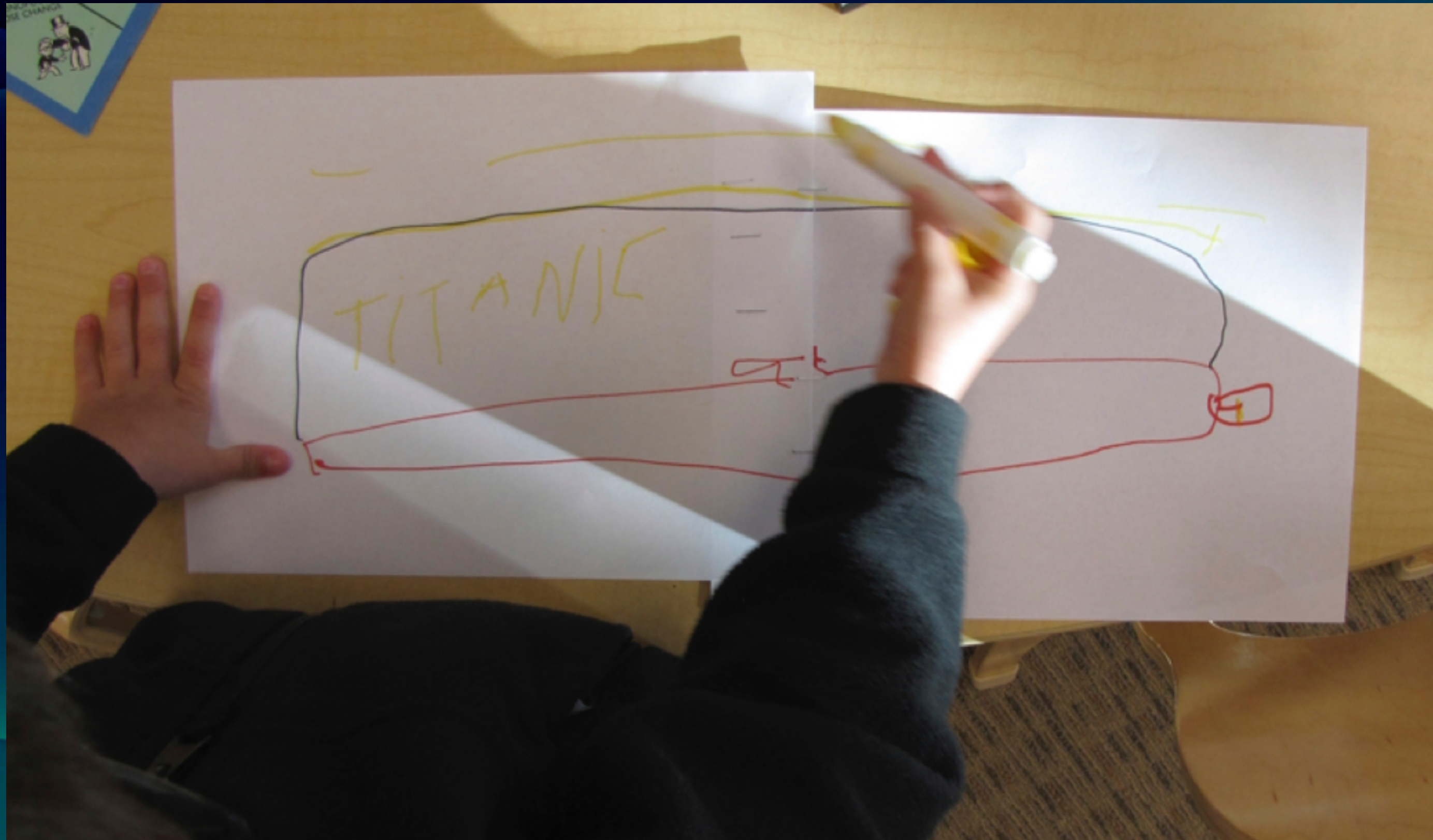


“A mop to swab the deck”

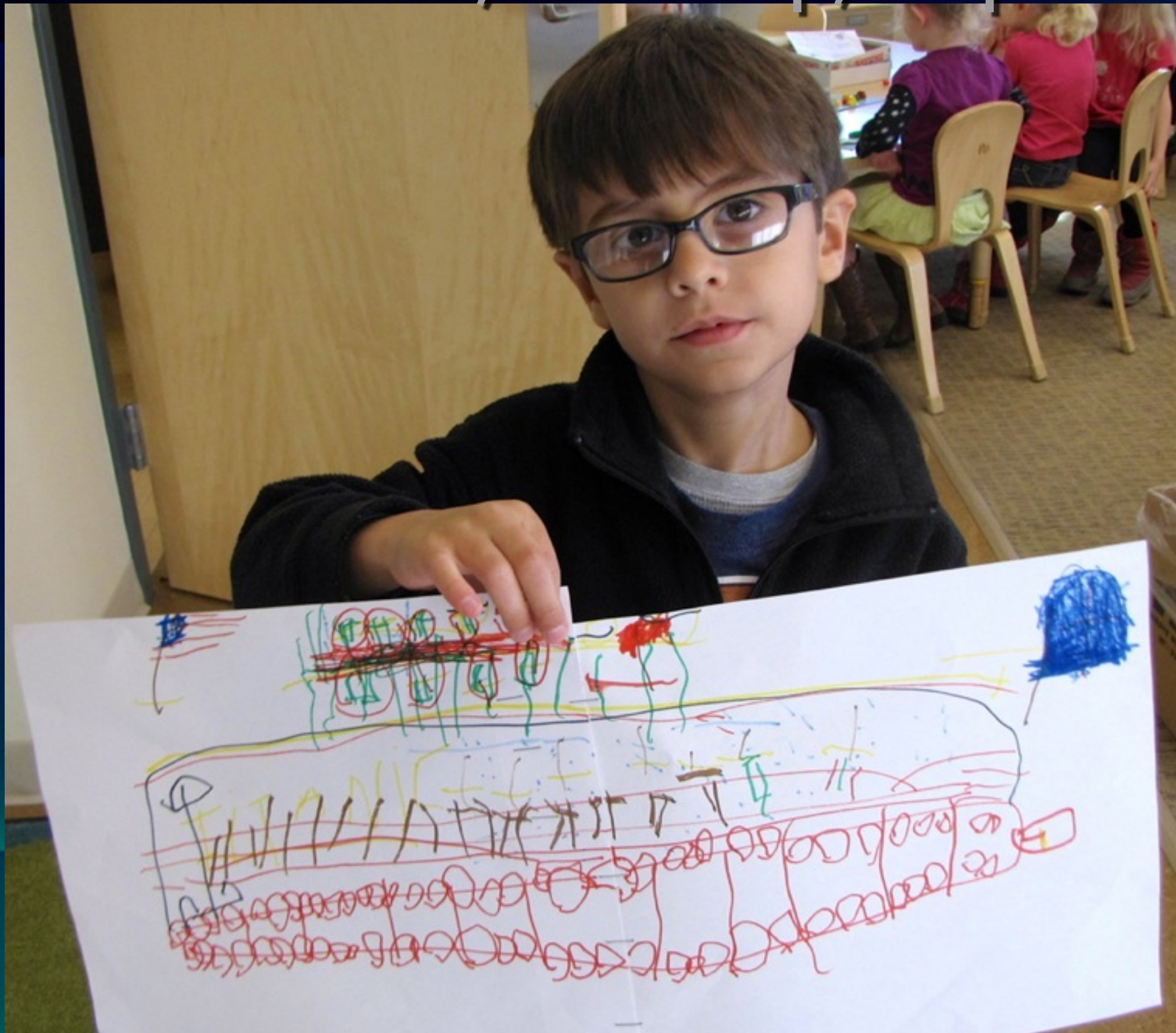
Listen, Go Deep, Empower: Case Study



Listen, Go Deep, Empower: Case Study



Listen, Go Deep, Empower: Case Study



Listen, Go Deep, Empower: Case Study

www.today.com/news/rare-titanic-letter-be-auctioned-describes-wonderful-journey-2D79581923

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News
Rare Titanic letter describing 'wonderful' journey is auctioned to American bidder

Good News
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Trending
Teen behind cat photo petition gets school to agree to put 'glorious' pic in yearbook

News
Kids of slain gun instructor to girl, 9, who shot their dad: 'You should not let this define you'

Entertainment
Robin Givens on domestic abuse: Ray Rice incident is 'a game-changer'

News
Rare Titanic letter describing 'wonderful' journey is auctioned to American bidder

Annabel Roberts
TODAY contributor

April 25, 2014 at 4:45 PM ET



Video: A touching letter co-written by a 7-year-old British girl fetched \$200,000 at auction today: It was written aboard the Titanic on the day the ship struck an iceberg in 1912. NBC's Annabel Roberts has the story.

Listen, Go Deep, Empower: Case Study



On board R.M.S. "TITANIC."

Sunday afternoon 1912

My dear ones all,

As you see it is Sunday afternoon & we are resting in the Library after luncheon. I was very bad all day yesterday. Could not eat or drink, & sick all the while, but today I have got over it. This morning Eva & I went to church & she was so pleased they sang "Oh God our help in ages past," that is her hymn she sang so nicely, so she sang out loud, she is very bonny. She has had a Rice Ball & a box of Toffee

From your loving Em

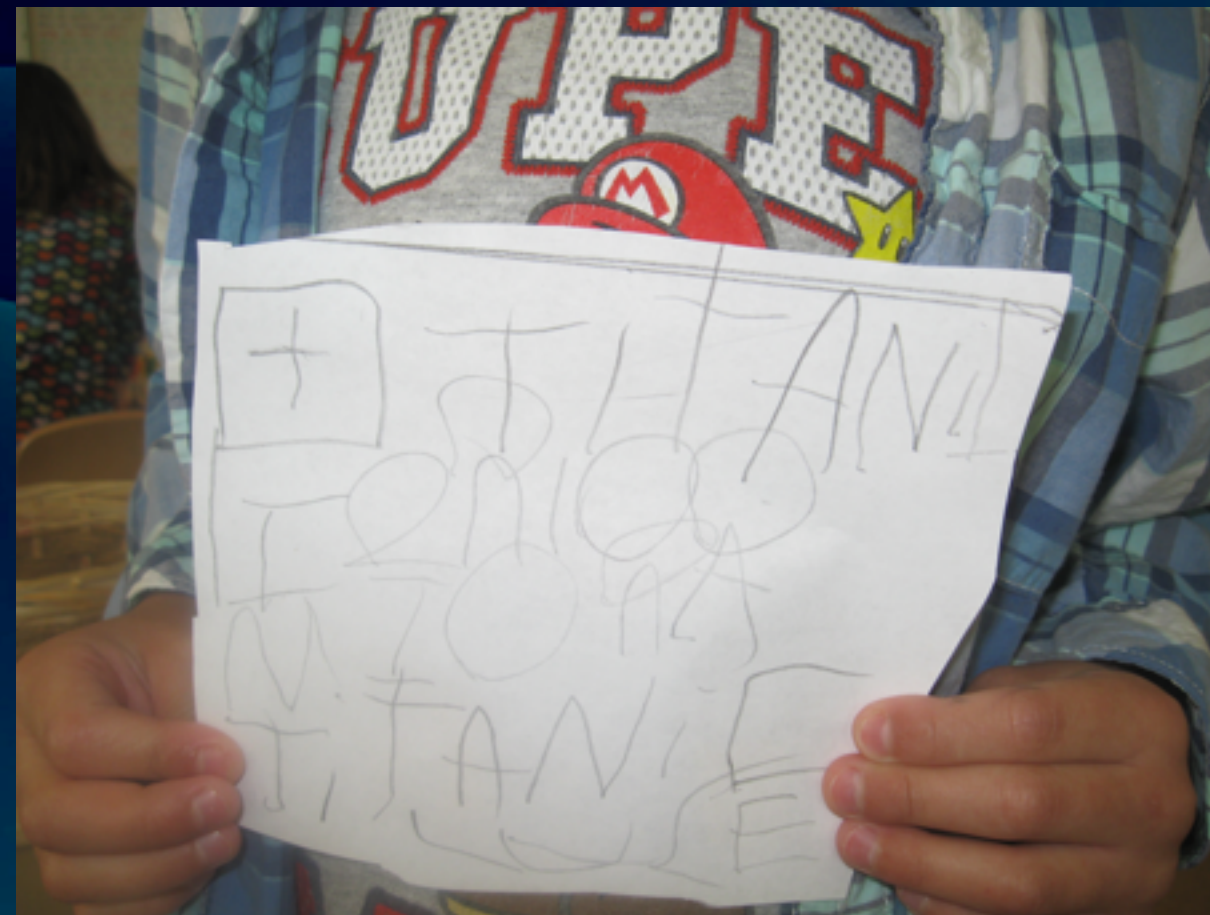
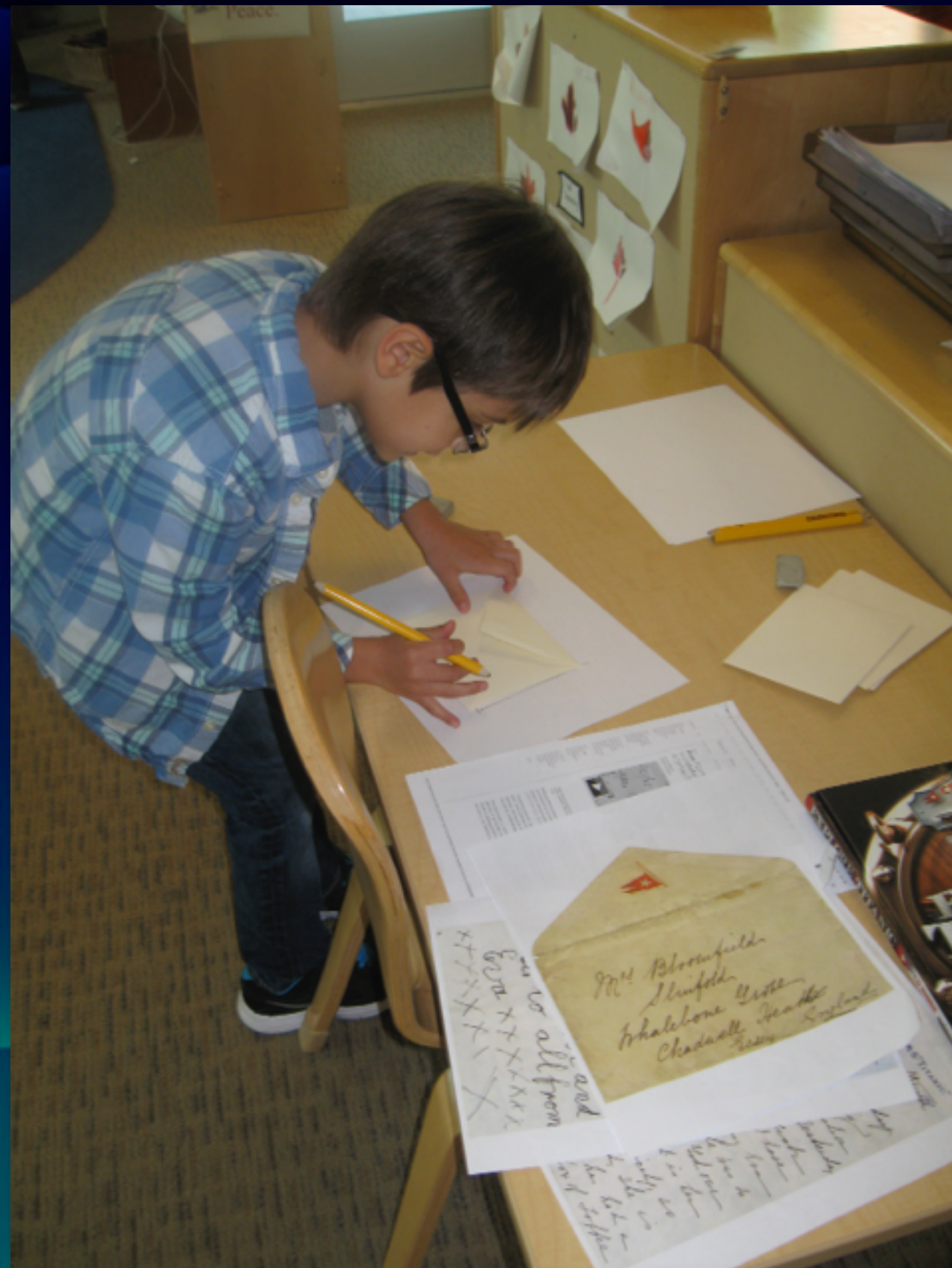
heaps of love and
kisses to all from

Eva x x x x x x
x x x x x x

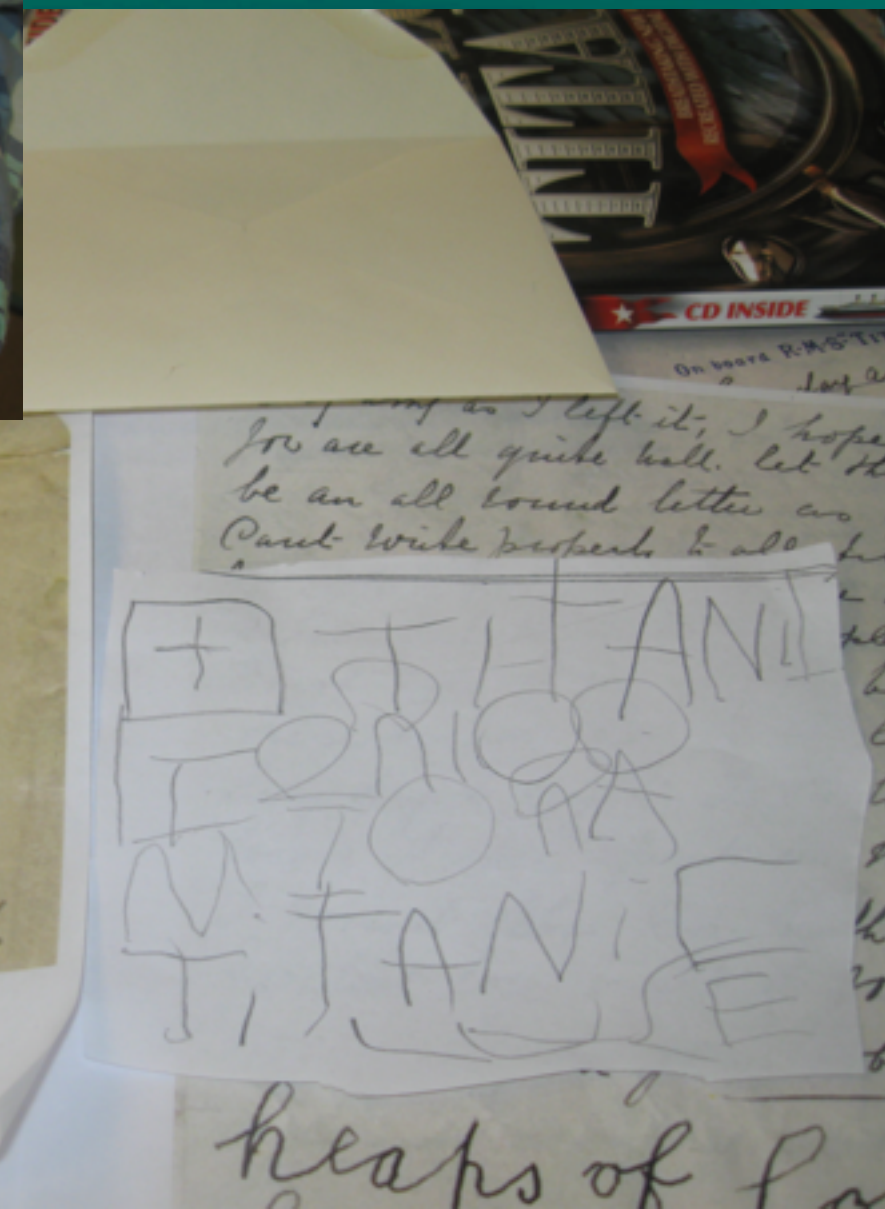


Mrs Bloomfield
Sluiford
Whalebone Grove
Chadwell Heath
Essex England

Listen, Go Deep, Empower: Case Study



Mr Bloomfield
Sluifold
Lebone Grove
Radwell Heath
Essex England



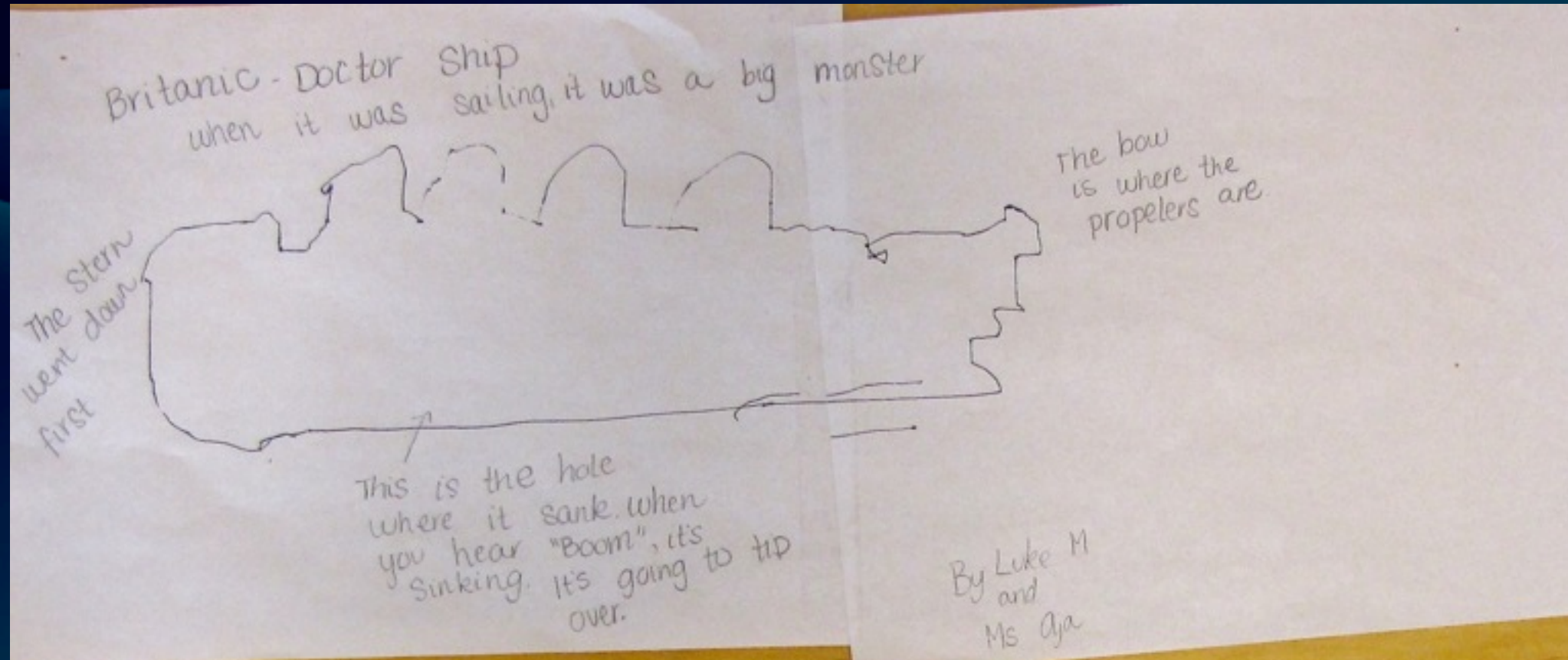
You are all quite well. Let there
be an all round letter and
Pant wife respects to all

TITANIC
TITANIC
TITANIC
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TITANIC

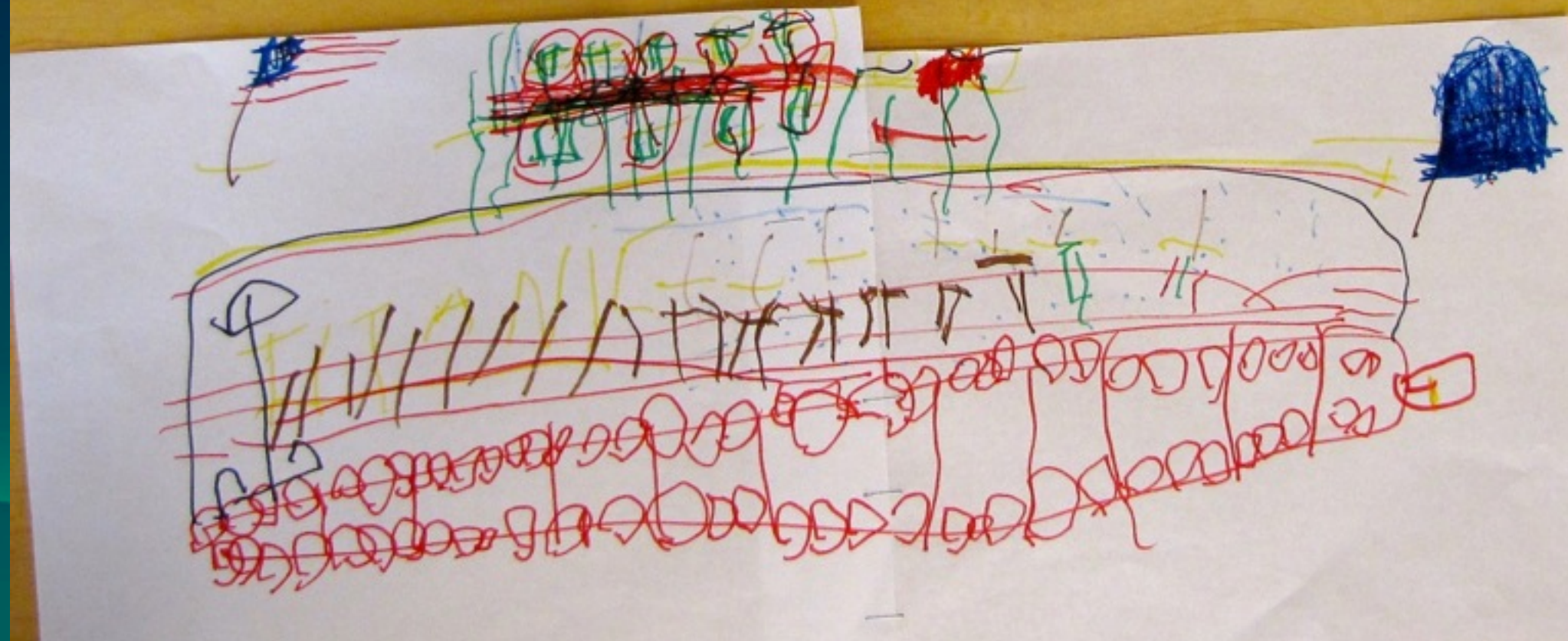
heaps of Pa

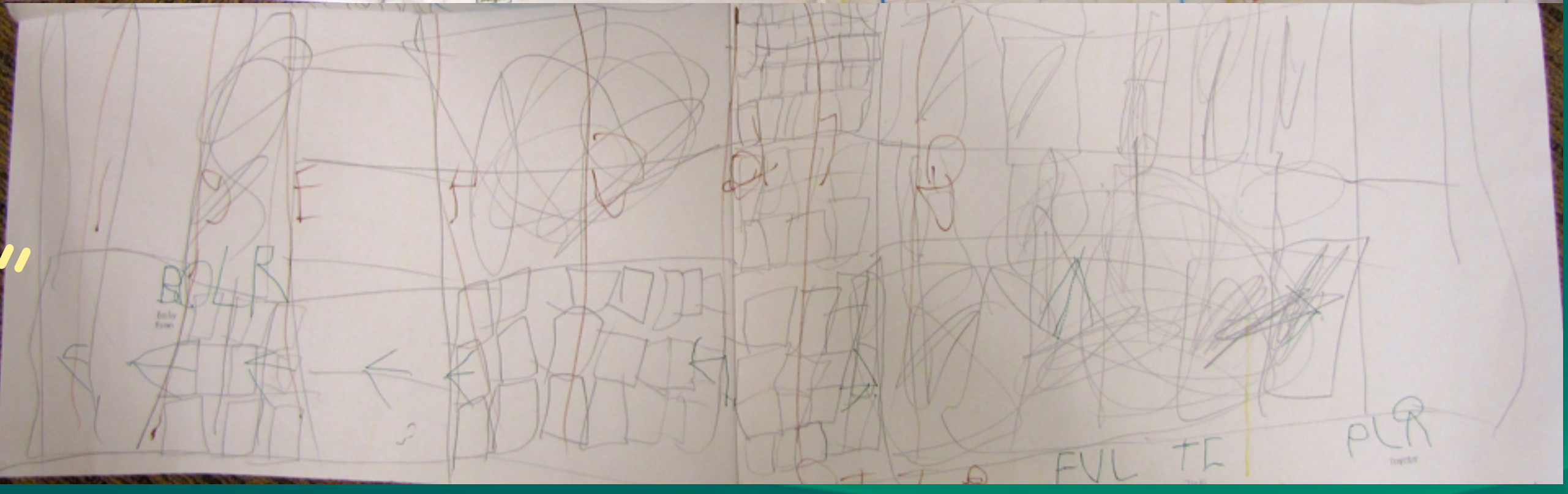
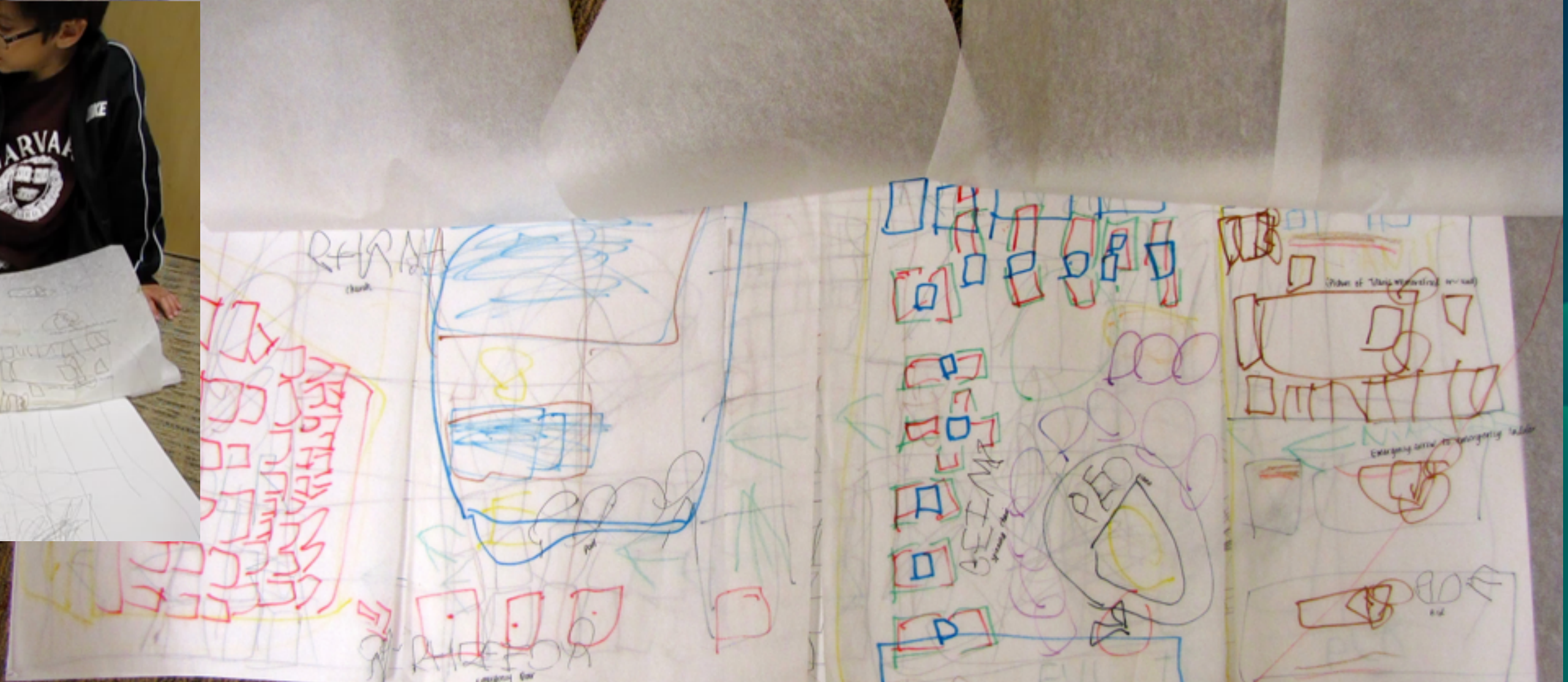
Listen, Go Deep, Empower: Case Study

2nd Day



2nd Month





8th Month
"Luke's
Grand Liner"

Listen, Go Deep, Empower: Case Study

Titanic - Transmedia Learning

- Manipulatives & literacy tools
- CD ROM, computer and books
- Tablet & storymaking apps
- Web-based resources
- Digital camera



Titanic - Transmedia Learning

- Teachers listened to all languages
- Supported across range of media
- Intentional selection of materials
- Deep exploration of relevant concepts
- Empowered new forms of learning
- Social, emotional, physical, conceptual, perspective



Intentional, Appropriate, & Effective Uses of Technology: Best Practices Database





tinyurl.com/ecebestpractices



Digital Microscopes



Description

One of the great joys of early learning occurs when young children experience seeing the world in new and unexpected ways. Digital Microscopes can provide such a perspective. They empower children's insight when they are used as a manipulative tool that provides them with perspectives that are engaging and unique.

Most digital microscopes must be connected to a screen such as a computer. The best way to begin to use a digital microscope is to simply turn it on and hand it to a child. Almost without exception children (of all ages) will point it at their bodies (ear, eye, tummy...) and be fascinated with what they see. Providing learners with items that contain interesting textures and surfaces will allow them to connect their sense of touch with the image of the surface they are sensing.

Our preferred tool is a ProScope HD microscope. These can be connected to a computer in a classroom, at an exploration station, or outside in the natural environment. This microscope not only displays high definition digital images on the computer screen, but with the push of a button, it can capture photographs of what is being displayed for later discussion, story writing, or posting on a blog.



Suggestions for use

Classroom - Set up a computer (desktop or laptop or tablet) with HD software and microscope. Orient screen so that it is easy for the students to manipulate the scope and view the screen simultaneously. The scope can be particularly powerful when used for explorations of the human body as there is nothing more concrete than one's own body

Scope is also excellent for explorations of all manner of surfaces including

- Natural materials such as rocks and minerals, shells, wood, insects, and plants such as molds.
- Man made materials such as Metals, plastics, fabrics, various types of papers,
- Interesting small details such as dates on coins or bills, watch parts, facets of jewelry.



It's not the technology,
it's how you use it.

Challenges to ECE

- Poverty
- Equal Access
- Neoliberal commodification
- Competition
- Sooner / Faster
- Testing
- Funding



Challenges to ECE

Concerns with Oregon Kindergarten Assessment

- Questionable predictive validity
- Culturally & developmentally inappropriate
- Stress on young children
- Standardized does not mean better
- Testing vs community building
- Other viable options



Writing homework - 5/2/13 - 5/10/13

What makes **School Name** a good place to be and to learn? What makes it different from other schools? What can you do to make **School Name** an even better school?

School Name

is a good place because

of the teachers and staff.

School Name

would not be a school without the teachers and staff. That's why

School Name

is a great place.

School Name

has very nice

teachers compared to other schools, the play structure, the rules, and the kids. If I improve my

AKS score I could help our school and be a better person.

THE END

Investing in Early Education

- Children are OUR future
- Respect childhood
- **Invest** time & money
- Small class sizes
- Less standardization
- Teachers as professionals



Conclusions: Education as Art



Early Childhood Education:

- Child development & learning theory
- Engaging environments & materials
- Best practices
- Inspiring teachers

Conclusions: Education as Art

The Art of Teaching

- Build community
- Listen to needs of learners
- Encourage deep explorations that engage
- Utilize appropriate, empowering tools
- To support innovation & playful learning



Let's all work together to envision, advocate for, fund, and create better learning environments for the world's children.



Early Education as Art:

Engaging children, Inspiring learning,
Transforming teaching

Mark Bailey

baileym@pacificu.edu

Pacific University College of Education



Technology and Young Children: From Theory To Practice

Educational Resources

- Alfie Kohn on assumptions: http://www.alfiekohn.org/f_news/fullnews.php?fn_id=12
- Elkind's the Hurried Child: <http://fg.ed.pacificu.edu/bailey/resources/courses/edpsych/HurriedChild.pdf>
- Why Parents Should Be Concerned: <http://www.parentchildpreschools.org/KRAparentdoc5514modifiedJI.pdf>
- We're number umpteenth - <http://www.washingtonpost.com/blogs/answer-sheet/wp/2013/05/03/were-number-umpteenth-the-myth-of-lagging-u-s-schools/>
- Early Learning Community: <http://fg.ed.pacificu.edu/elc/>
- Erikson TEC Center: <http://teccenter.erikson.edu/>
- Tech and Young Children: www.techandyoungchildren.org/
- Fred Rogers Center: <http://www.fredrogerscenter.org>
- This Presentation: <http://fg.ed.pacificu.edu/cldc/svp14.pdf>